

Item no.: FMB230

## FMB230 - Waterproof GPRS/GNSS Tracker with Flexible Inputs Configuration

from **47,11 EUR**

Item no.: FMB230  
shipping weight: 0.20 kg  
Manufacturer: Teltonika



### Product Description

#### FMB230 - Waterproof GPRS/GNSS Tracker with Flexible Inputs Configuration

FMB230 is water and dust resistant tracker with internal GNSS, GSM antennas, configurable digital, analogue inputs and digital outputs, negative input, impulse inputs, Bluetooth connectivity and backup battery. FMB230 is developed on the existing Teltonika platform, therefore it keeps all of the functionalities from FMB130 with an additional IP67 resistance to dust and water. It can be mounted inside and outside of a vehicle without worries that a high pressured water, mud or dusty environment will impact its operation or performance quality. This is particularly relevant for the industries where harsh conditions exist, such as agriculture, construction and mining, and more.

#### Module

- Name: Teltonika TM2500
- Technology: 2G (GSM/GPRS)/GNSS/Bluetooth

#### GNSS

- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
- Receiver: Tracking: 33
- Tracking sensitivity: -165 dBm
- Position accuracy: < 2.5 CEP
- Velocity accuracy: < 0.1 m/s (within +/- 15% error)
- Hot start: < 1 s
- Warm start: < 25 s
- Cold start: < 35 s

#### Cellular

- Technology: GSM
- 2G bands: Quad-band 850/900/1800/1900 MHz
- Data transfer: GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
- Data support: SMS (text/data)

#### Power

- Input voltage range: 10 - 30 V DC with overvoltage protection
- Internal back-up battery: 170 mAh Li-Ion battery 3.7 V (0.63 Wh)
- Internal fuse: 3 A, 125 V
- Power consumption: At 12 V < 2.5 mA (Ultra Deep Sleep); At 12 V < 5 mA (Deep Sleep); At 12 V < 5.5 mA (Online Deep Sleep); At 12 V < 18.5 mA (GPS Sleep); At 12 V < 34 mA (nominal with no load)

#### Bluetooth

- Specification: 4.0 + LE
- Supported peripherals: Temperature and humidity sensor, OBDII dongle, Inateck barcode scanner, universal BLE sensors support

#### Physical Specification

- Dimensions: 70,5 x 67,0 x 25,6 mm (L x W x H); 85,0 x 67,0 x 25,6 mm (L x W x H, length with connector socket)

#### Operating Environment

- Operating temperature (without battery): -40°C to +85°C
- Storage temperature (without battery): -40°C to +85°C
- Operating temperature (with battery): -20°C to +40°C
- Storage temperature (with battery): -20°C to +45°C
- Operating humidity: 5% to 95% non-condensing
- Ingress protection rating: IP67
- Battery charge temperature: 0°C to +45°C
- Battery discharge temperature: -20°C to +60°C
- Battery storage temperature: -20°C to +45°C for 1 month; -20°C to +35°C for 6 months

#### Interface

- Digital inputs: 3
- Negative inputs: 1 (digital input 2)
- Impulse Inputs: 2 (digital input 1, digital input 2)
- Digital outputs: 3
- Analog inputs: 2
- CAN adapter inputs: 1
- 1-wire: 1
- GNSS antenna: Internal high gain
- Cellular antenna: Internal high gain
- USB: 2.0 Micro-USB
- LED indication: 2x status LED lights
- SIM: Micro-SIM + eSIM
- Memory: 128 MB internal Flash memory

#### Certification & Approvals\*

- Regulatory: CE-RED, E-mark, Reach, RoHS

\* in progress

#### Specifications

**Scan this QR code to  
view the product**  
All details, up-to-date  
prices and availability

